AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (**Currently Amended**) A radio-frequency filter arrangement comprising:

at least one filter which has a number of cavities which are coupled to one another for radio-frequency purposes, a respective ring-like dielectric resonator element which is arranged in a fixed position in each of the cavities, each corresponding ring-like dielectric resonator element having therein a respective eccentric through-hole, an axis of the respective eccentric through-hole is offset from an axis of the corresponding ring-like dielectric resonator element, and

a respective dielectric body having the same thickness as a thickness of the corresponding ring-like dielectric resonator element, disposed in each respective eccentric through-hole so as to be rotatable about the axis of the respective eccentric through-hole and so that a position of the respective dielectric body relative to the corresponding dielectric resonator element can be varied in order to tune the frequency of the at least one filter.

2. (Previously Presented) The radio-frequency filter arrangement as claimed in claim 1, wherein the respective dielectric body can rotate about a rotation axis which is parallel with the axis of the axis of the corresponding ring-like dielectric resonator element.

3. (Cancelled)

4. (Previously Presented) The radio-frequency filter arrangement as claimed in claim 2, wherein the respective eccentric through-hole in the corresponding dielectric

resonator element is a circular cylindrical through-hole which is concentric with respect to the rotation axis.

5. (Previously Presented) The radio-frequency filter arrangement as claimed in claim 4, wherein external dimensions of the respective dielectric body are matched to the respective eccentric through-hole in the corresponding dielectric resonator element in such a way that the respective dielectric body and corresponding dielectric resonator element are separated from one another by only narrow air gaps.

6. (Previously Presented) The radio-frequency filter arrangement as claimed in claim 5, wherein the respective dielectric body is bounded by two parallel planar surfaces in a first direction at right angles to the rotation axis, and is bounded by two cylindrical envelope surfaces which are concentric with respect to the rotation axis, in a second direction, which is at right angles to the rotation axis and to the first direction.

7. (Previously Presented) The radio-frequency filter arrangement as claimed in claim 1, wherein the corresponding dielectric resonator element has a central through-hole.

8. (Previously Presented) The radio-frequency filter arrangement as claimed in claim 1, wherein the corresponding dielectric resonator element and the respective dielectric body are each composed of the same material.

9. (**Currently Amended**) The radio-frequency filter arrangement as claimed in claim 1, wherein the at least one filter is accommodated in a rectangular filter housing, in that the filter housing comprises a base plate and wall plates, which are at right angles to the base plate ~~for the~~ for providing side walls, and is covered on the top face by a motor mounting plate, which is parallel to the base plate, and in that the cavities in the filter comprise separating plates which are incorporated in the filter housing and are at right angles to the base plate.

10. (Previously Presented) The radio-frequency filter arrangement as claimed in claim 9, wherein mounting slots are provided in the base plate, in the wall plates and in the separating plates, by means of which the plates are plugged into one another and are soldered to one another.

11. (Previously Presented) The radio-frequency filter arrangement as claimed in claim 9, wherein coupling openings are provided at predetermined points in individual separating plates.

12. (**Currently Amended**) The radio-frequency filter arrangement as claimed in claim 9, wherein a respective circular opening is provided in the motor mounting plate above each of the cavities, through which the corresponding dielectric resonator element and the respective dielectric body are held in the cavity.

13. (**Currently Amended**) The radio-frequency arrangement as claimed in claim 12, wherein the ~~corresponding~~ respective dielectric resonator element and the ~~respective~~ corresponding dielectric body are part of a respective tuning element which is associated with the corresponding cavity and is mounted on the motor mounting plate.

14. (**Currently Amended**) The radio-frequency filter arrangement as claimed in claim 13, wherein the respective tuning element has a corresponding fixed holder, which passes through the respective opening in the motor mounting plate, for the corresponding dielectric resonator element, a respective holder which passes through the corresponding opening in the respective motor mounting plate and is mounted such that the corresponding holder can rotate, for the respective dielectric body, a respective motor and a gearbox unit, which transmits the rotational movement of the respective motor to the corresponding holder, which is mounted such that the motor and respective gearbox unit can rotate.

15. (**Currently Amended**) The radio-frequency filter arrangement as claimed in claim 14, wherein the respective motor is a stepping motor.

16. (**Currently Amended**) The radio-frequency filter arrangement as claimed in claim 14, wherein the respective gearbox unit is accommodated in a corresponding housing, in that the respective housing is mounted on the respective motor mounting plate, in that the respective motor is flange-connected to the corresponding housing, and in that the respective holder for the corresponding dielectric resonator element is attached to the respective housing.

17. (**Currently Amended**) The radio-frequency filter arrangement as claimed in claim 16, wherein the respective gearbox unit has a corresponding rotating element which is in the form of a shaft, is mounted in a prestressed precision bearing and is firmly connected to the corresponding holder for the respective dielectric body, and in that the respective rotating element is driven by a corresponding drive shaft within the respective gearbox unit via a corresponding gearwheel which is firmly seated on the respective rotating element, with the respective drive shaft being connected to the corresponding motor and engaging with the respective gearwheel via a worm gear.

18. (**Currently Amended**) The radio-frequency filter arrangement as claimed in claim 17, wherein the respective rotating element is prestressed in the rotation direction in order to overcome play, by a spiral spring.

19. (**Currently Amended**) The radio-frequency filter arrangement as claimed in claim 17, wherein the respective gearwheel is designed in the form of a circle segment.

20. (Previously Presented) The radio-frequency filter arrangement as claimed in claim 1, wherein each of the filters has four cavities with corresponding dielectric resonator elements and dielectric bodies which can rotate arranged respectively therein.

21. (Previously Presented) The radio-frequency filter arrangement as claimed in claim 20, wherein the four cavities are arranged adjacent to one another in a square-shape configuration.

22. (Previously Presented) The radio-frequency filter arrangement as claimed in claim 20, wherein a selected number of the at least one filters each have four cavities and are arranged alongside one another in a common filter housing.

23. (Previously Presented) The radio-frequency filter arrangement as claimed in claim 1, wherein the cavities are coupled by coupling slots which are each arranged on a plane, and in that the respective eccentric through-holes of the corresponding dielectric resonator elements are arranged rotated through a predetermined angle with respect to the plane about the axis of the corresponding dielectric resonator element.

24. (Previously Presented) The radio-frequency filter arrangement as claimed in claim 1, wherein a controller, which has a control block, a memory and an input unit, is provided to control the rotation of the respective dielectric body.

25. (Previously Presented) The radio-frequency filter arrangement as claimed in claim 24, wherein position sensors, in the form of light barriers which are connected to the control block, are provided in order to determine an initial position of the respective dielectric body in the radio-frequency filter arrangement.

26. (**Currently Amended**) The radio-frequency filter arrangement as claimed in claim 24, wherein value tables are stored in the memory and associate an appropriate angle position of the respective ~~ielectric~~ dielectric body with a small number of selected frequencies of the radio-frequency filter arrangement.

27. (Previously Presented) A method for production of a radio-frequency filter arrangement as claimed in claim 1, wherein a number of planar sheet-metal parts

comprise the cavities.

28. (Previously Presented) The method as claimed in claim 27, wherein the sheet-metal parts are silver-plated, and are soldered to one another by means of a silver solder.

29. (Previously Presented) The method as claimed in claim 28, wherein the sheet-metal parts have mounting aids, in the form of crossing slots, mounting slots and mounting lugs which are matched to one another, in that the sheet-metal parts are initially loosely plugged together by means of the mounting aids and the crossing slots, mounting slots and mounting lugs in order to form the filter housing, and the plugged-together filter housing is made mechanically robust by pushing the mounting lugs into the mounting slots, in that silver solder, preferably in paste form, is applied to the junction points between the plugged-together sheet-metal parts, and in that the plugged-together sheet-metal parts are heated, preferably in an oven, until the silver solder melts and flows into the junction points.

30. (Previously Presented) The method as claimed in claim 27, wherein all of the sheet-metal parts of a filter housing are cut from a common metal sheet, which has not been silver-plated, by means of laser cutting, in such a way that the cut-out sheet-metal parts are connected to the remaining area of the metal sheet only by a small number of narrow webs, in that the metal sheet together with the cut-out sheet-metal parts is then silver-plated, in that the sheet-metal parts are detached from the metal sheet after being silver-plated, and are then used to construct the filter housing.

31. (Previously Presented) The method as claimed in claim 30, wherein the webs remain predominantly at those points on the sheet-metal parts which are located outside the cavities when the filter housing is complete.